

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112818\
 Data File : VW007124.D
 Acq On : 28 Nov 2018 19:47
 Operator : VAY/AP
 Sample : J5767-19
 Misc : 6.09G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-112818-B

Quant Time: Nov 29 04:38:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	98805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	152297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	46863	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	51997	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
35) Dibromofluoromethane	7.89	113	43956	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
50) Toluene-d8	10.32	98	176174	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
62) 4-Bromofluorobenzene	12.62	95	57957	38.78	ug/l	0.00
Spiked Amount			Recovery	=	77.56%	

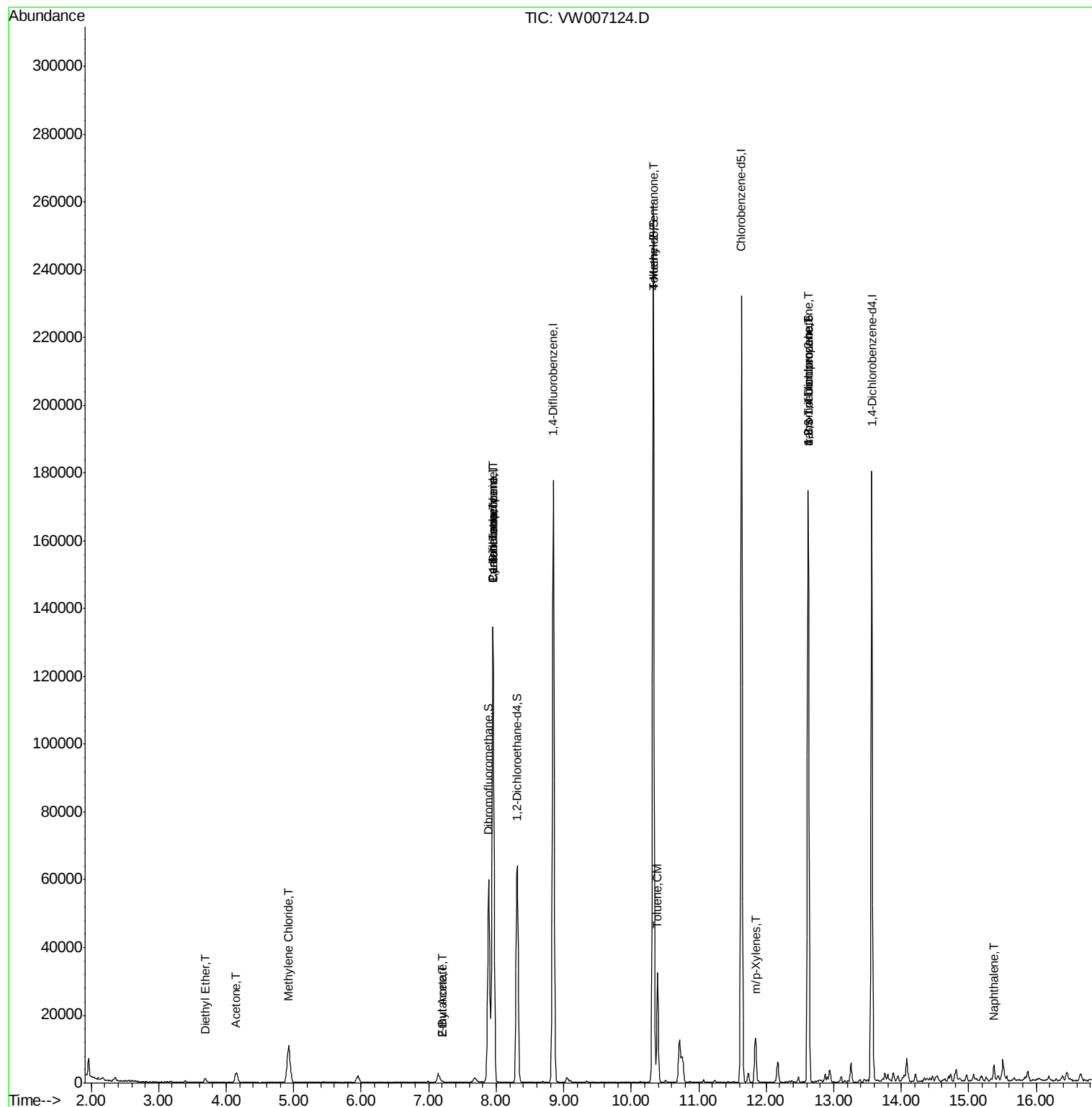
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	550	1.085	ug/l #	50
16) Acetone	4.15	43	5737	40.849	ug/l #	84
20) Methylene Chloride	4.92	84	9072	3.033	ug/l	97
25) 2-Butanone	7.20	43	552	2.295	ug/l #	48
31) Cyclohexane	7.95	56	2056	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7240	4.865	ug/l #	52
37) Ethyl Acetate	7.20	43	552	1.024	ug/l #	69
38) Carbon Tetrachloride	7.95	117	9965	6.992	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	730	1.406	ug/l #	1
52) Toluene	10.39	92	14284	5.225	ug/l	100
68) m/p-Xylenes	11.84	106	4273	2.159	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	28571	77.587	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28571	194.789	ug/l #	10
95) Naphthalene	15.38	128	4389	2.620	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

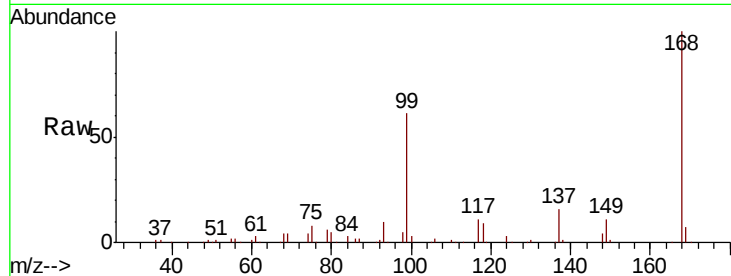
CL-02-112818-B

Tot Ion:168 Resp: 98805

Ion Ratio Lower Upper

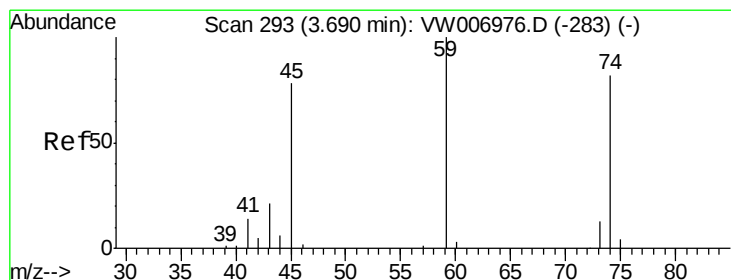
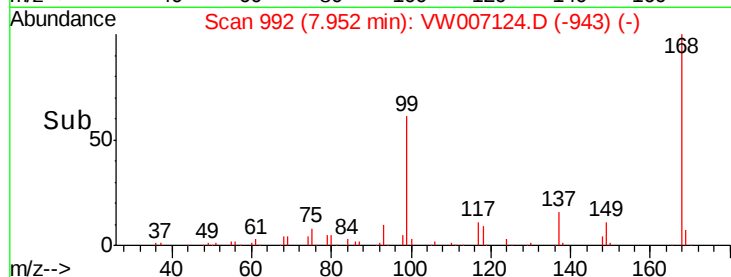
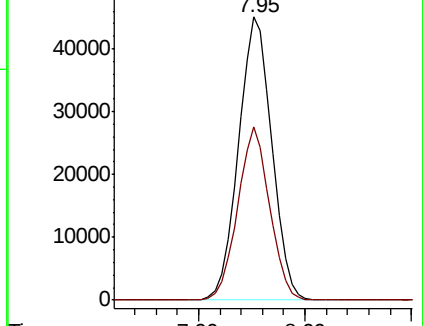
168 100

99 61.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.085 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW007124.D

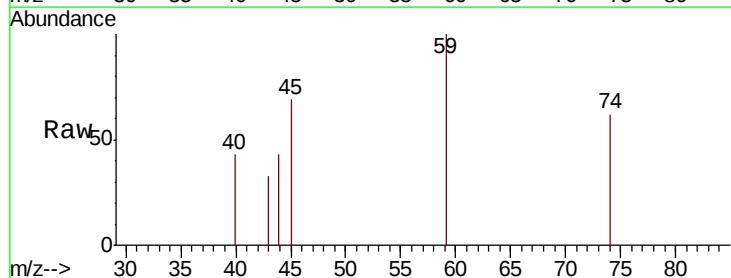
Acq: 28 Nov 2018 19:47

Tgt Ion: 74 Resp: 550

Ion Ratio Lower Upper

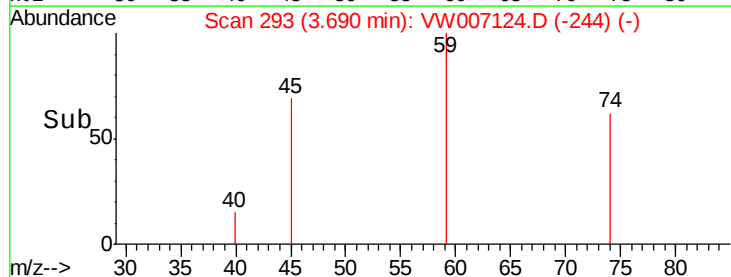
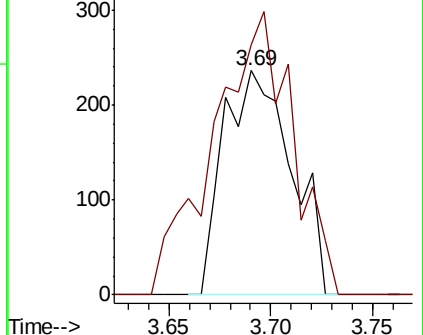
74 100

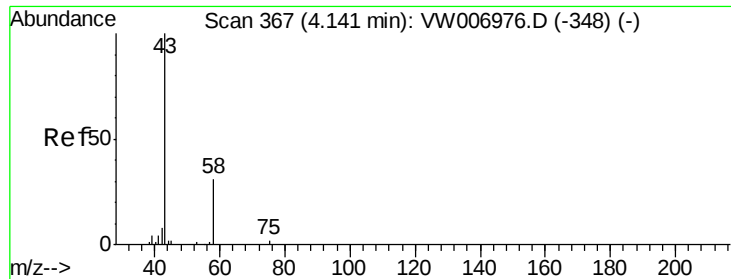
45 146.4 48.4 145.2#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 40.849 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

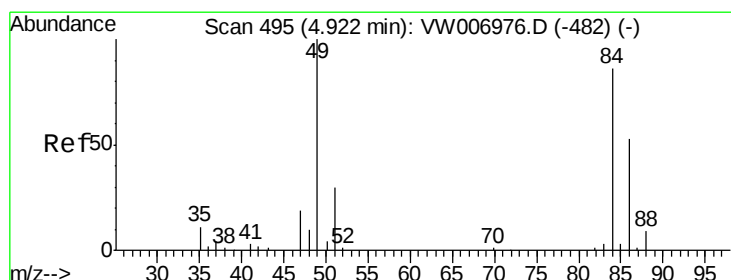
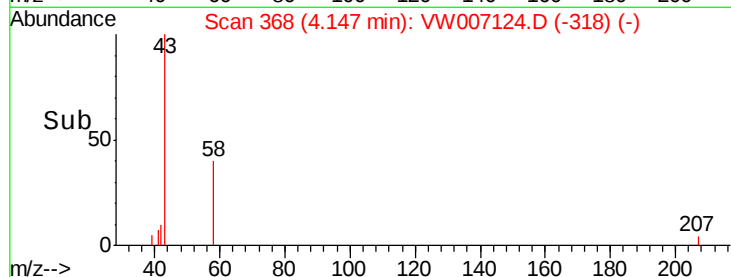
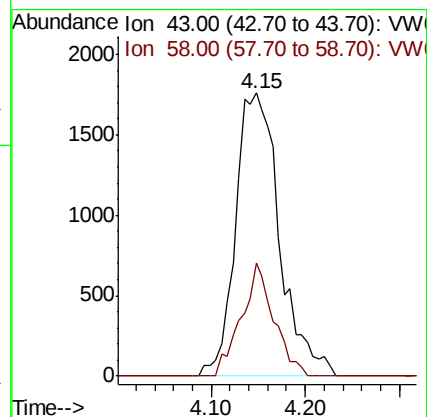
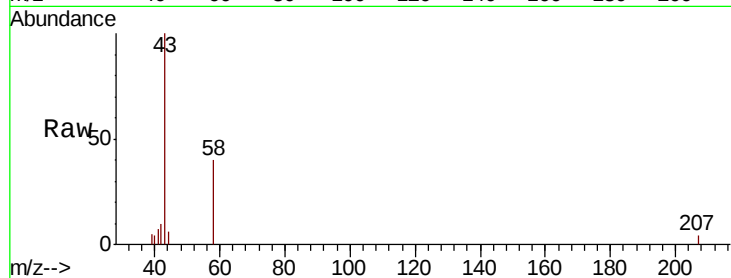
CL-02-112818-B

Tot Ion: 43 Resp: 5737

Ion Ratio Lower Upper

43 100

58 40.0 24.8 37.2#



#20

Methylene Chloride

Concen: 3.033 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

Tgt Ion: 84 Resp: 9072

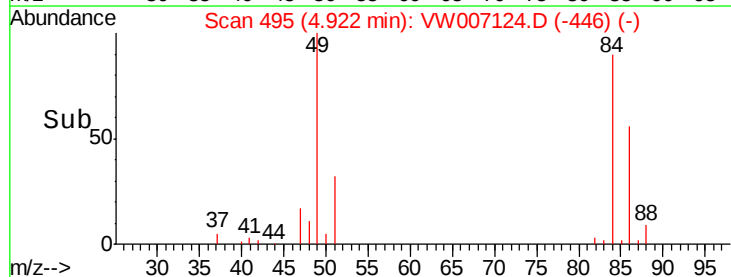
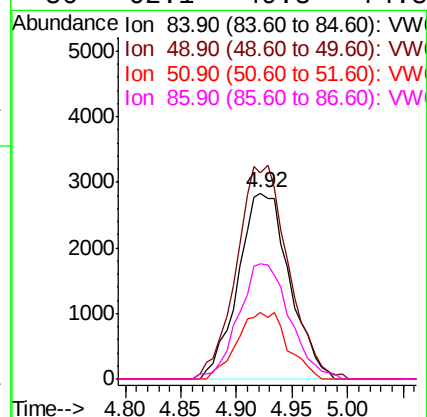
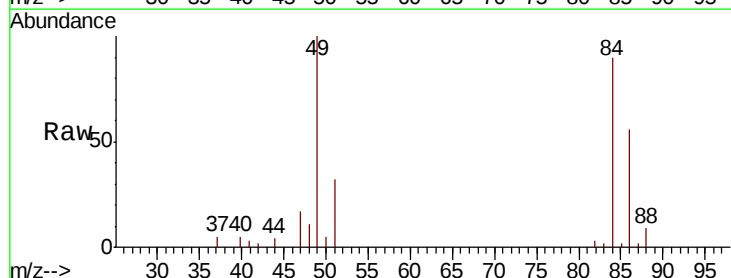
Ion Ratio Lower Upper

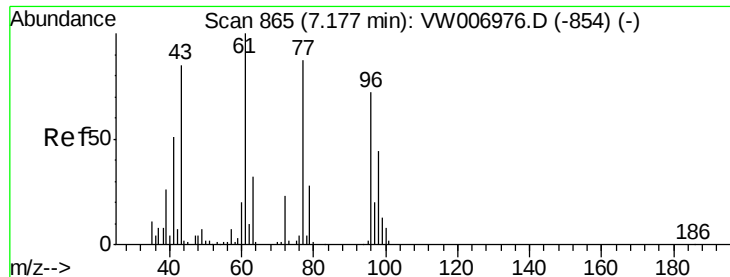
84 100

49 111.2 93.4 140.0

51 36.0 28.4 42.6

86 62.1 49.8 74.8





#25

2-Butanone

Concen: 2.295 ug/l

RT: 7.20 min Scan# 869

Delta R.T. 0.02 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

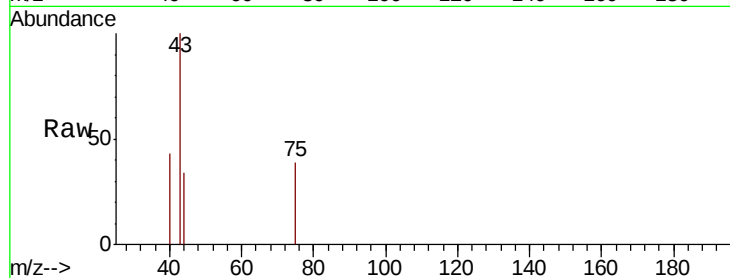
CL-02-112818-B

Tot Ion: 43 Resp: 552

Ion Ratio Lower Upper

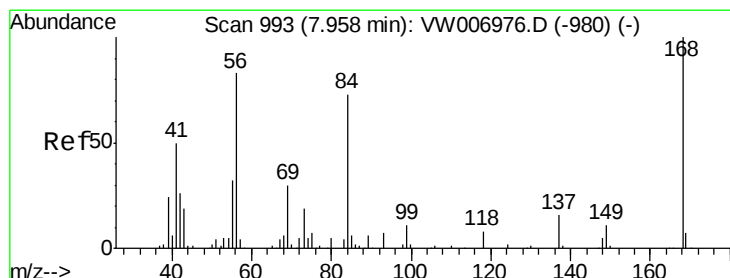
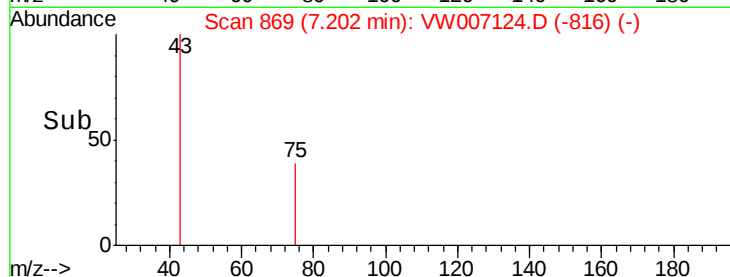
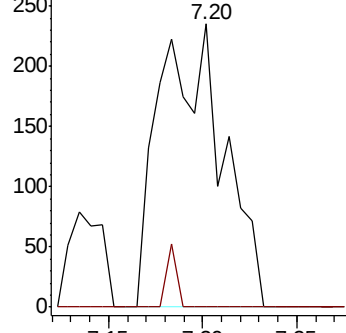
43 100

72 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.104 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

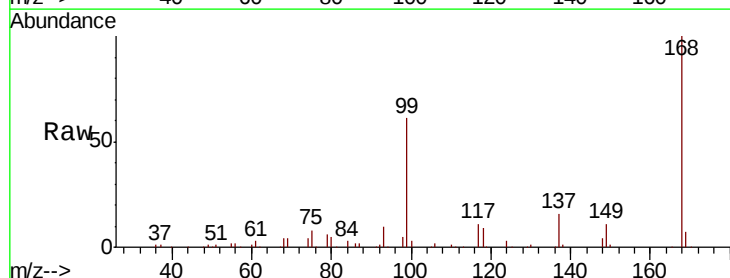
Tgt Ion: 56 Resp: 2056

Ion Ratio Lower Upper

56 100

69 167.7 29.1 43.7#

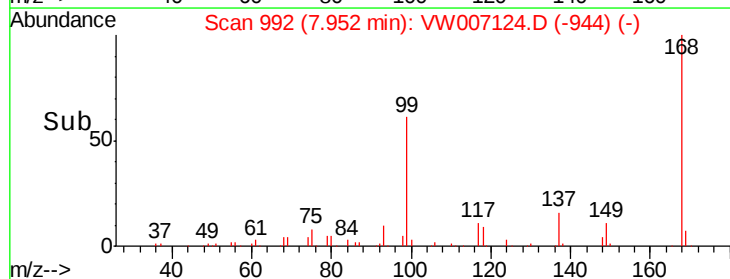
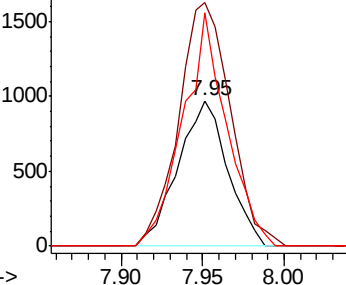
84 161.1 70.6 105.8#

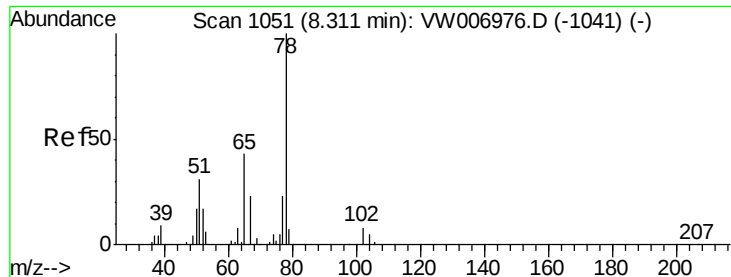


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

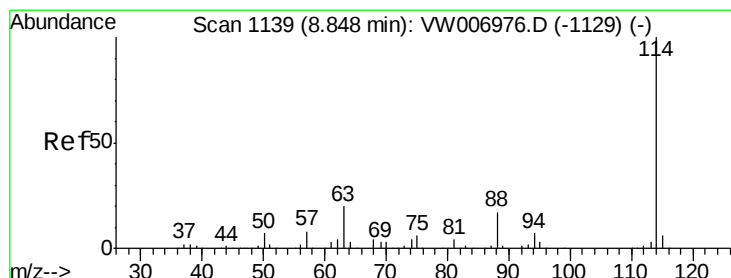
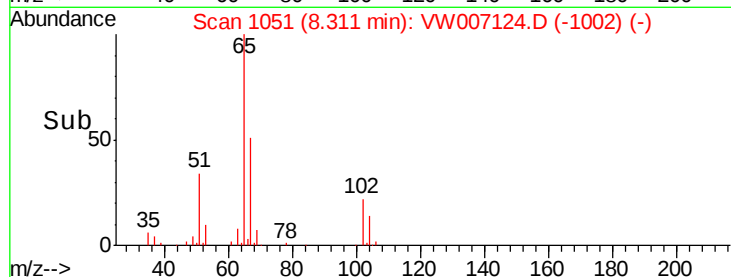
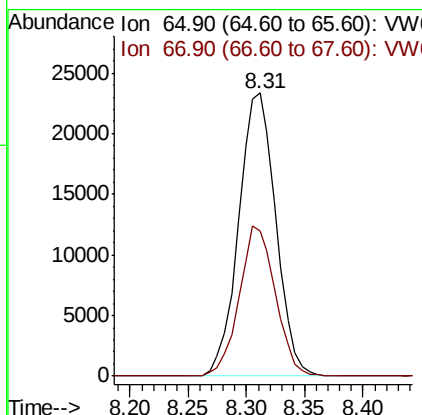
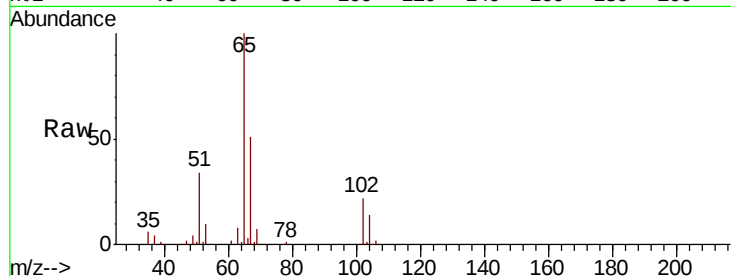




#33
 1,2-Dichloroethane-d4
 Concen: 53.754 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007124.D
 Acq: 28 Nov 2018 19:47

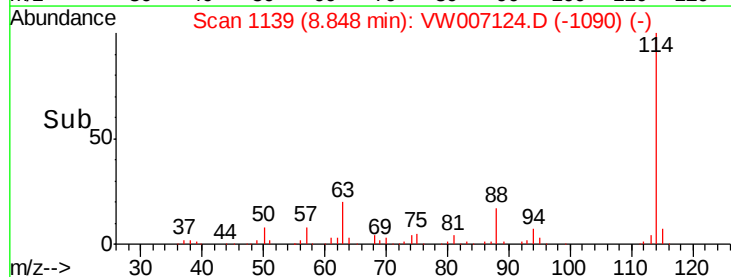
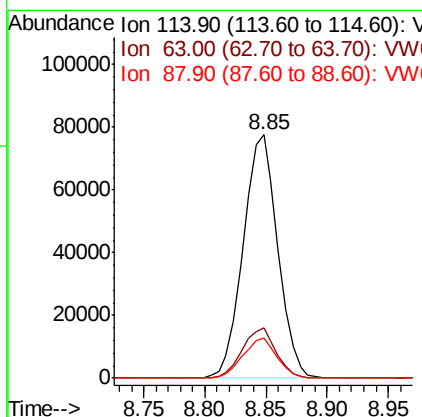
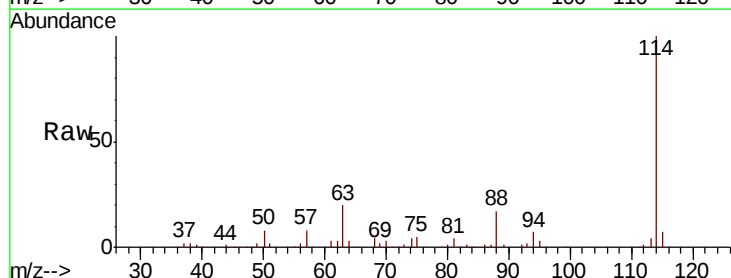
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-112818-B

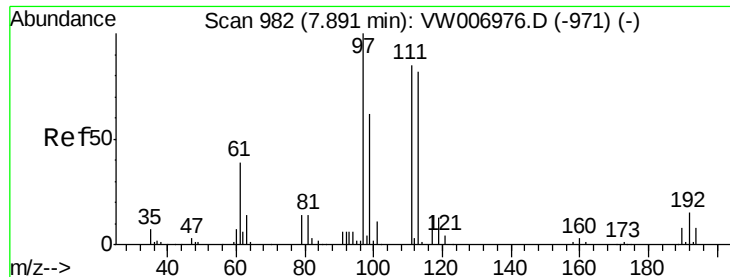
Tot Ion: 65 Resp: 51997
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007124.D
 Acq: 28 Nov 2018 19:47

Tgt Ion: 114 Resp: 152297
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.4
 88 16.7 0.0 34.2

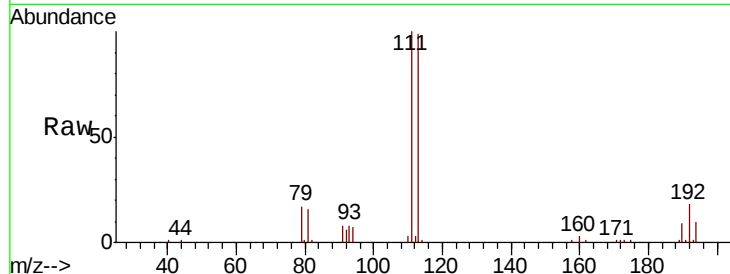




#35
 Dibromofluoromethane
 Concen: 51.108 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007124.D
 Acq: 28 Nov 2018 19:47

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-112818-B

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.0	121.6
192	18.5	15.0	22.6

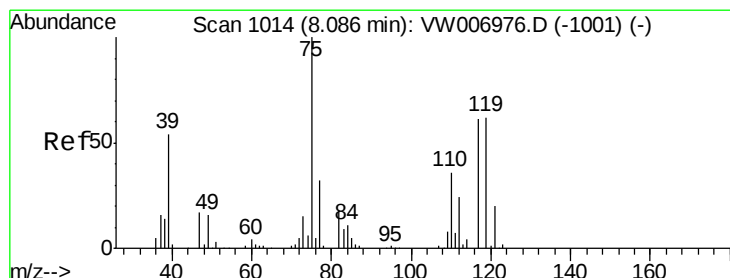
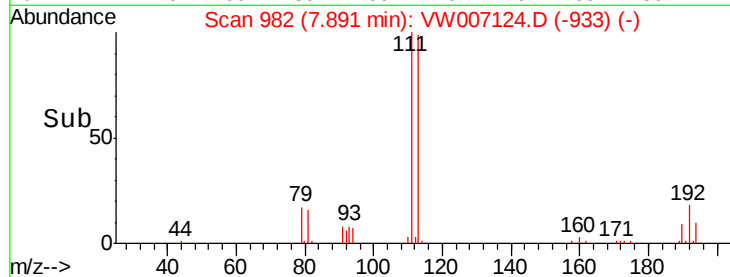
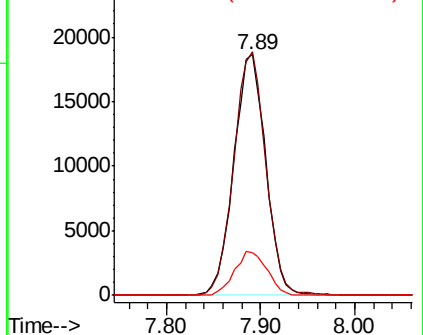


Abundance

Ion 112.80 (112.50 to 113.50): V

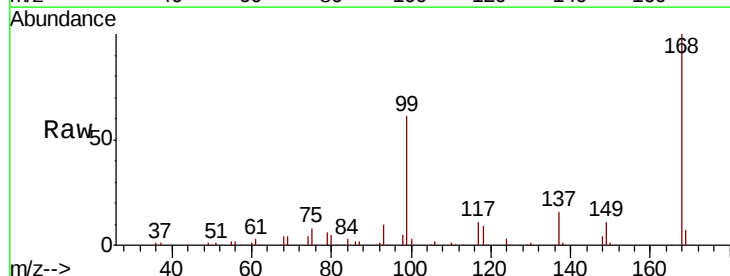
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007124.D
 Acq: 28 Nov 2018 19:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	18.0	54.0#
77	0.0	24.9	37.3#

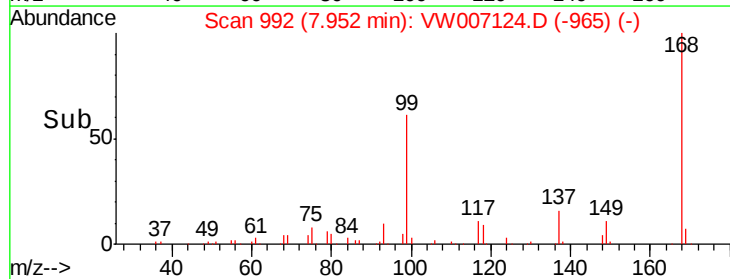
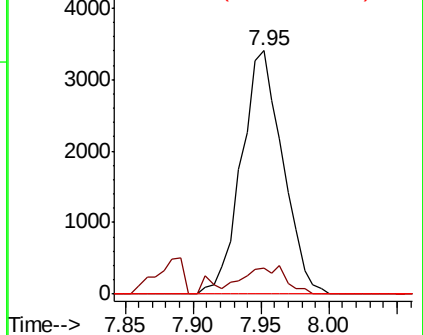


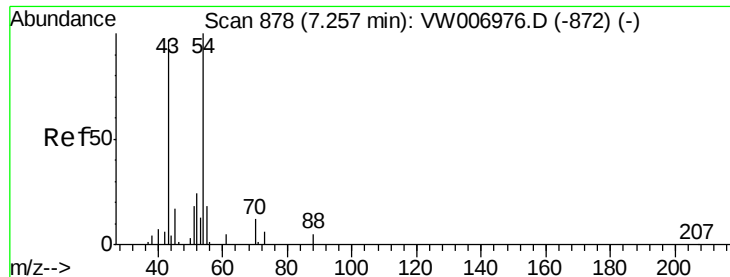
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.024 ug/l

RT: 7.20 min Scan# 869

Delta R.T. -0.05 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

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ClientSampleId :

CL-02-112818-B

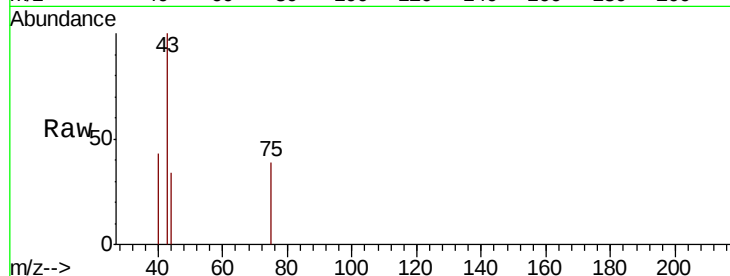
Tot Ion: 43 Resp: 552

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

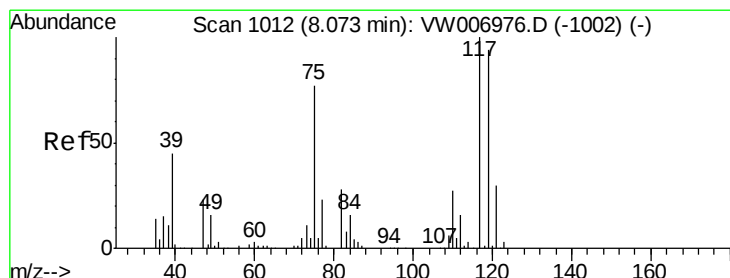
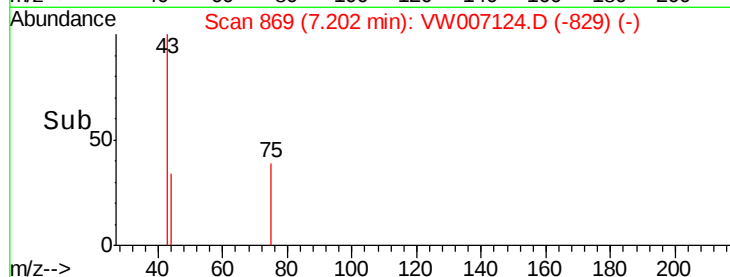
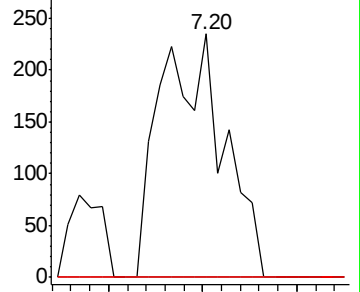
70 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.992 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

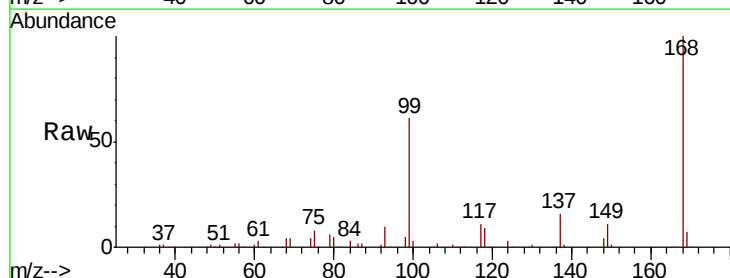
Tgt Ion: 117 Resp: 9965

Ion Ratio Lower Upper

117 100

119 3.3 74.9 112.3#

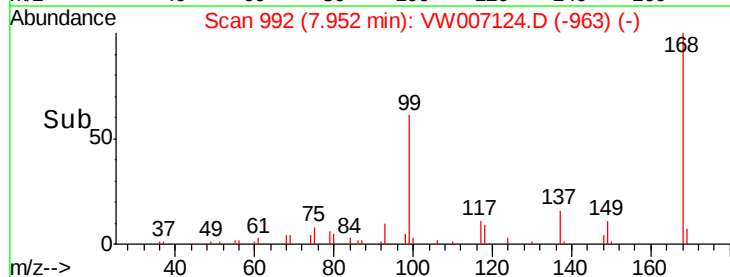
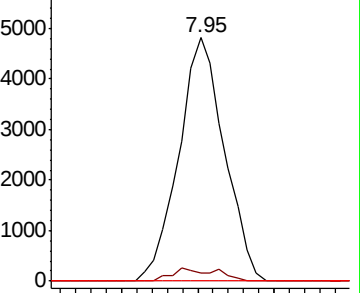
121 0.0 23.6 35.4#

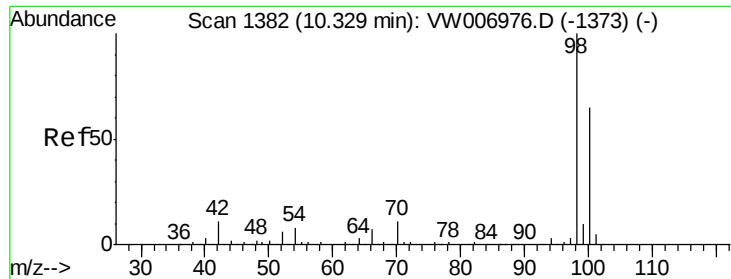


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.387 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

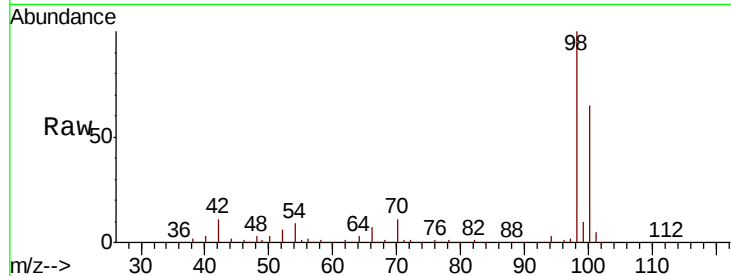
CL-02-112818-B

Tot Ion: 98 Resp: 176174

Ion Ratio Lower Upper

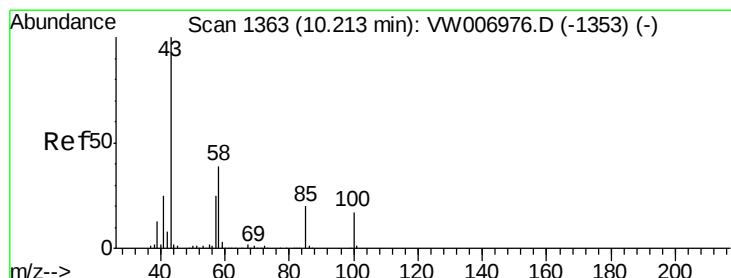
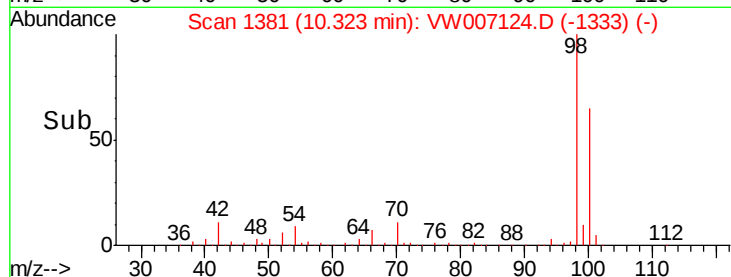
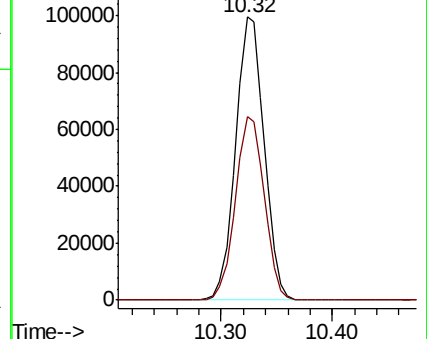
98 100

100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.406 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW007124.D

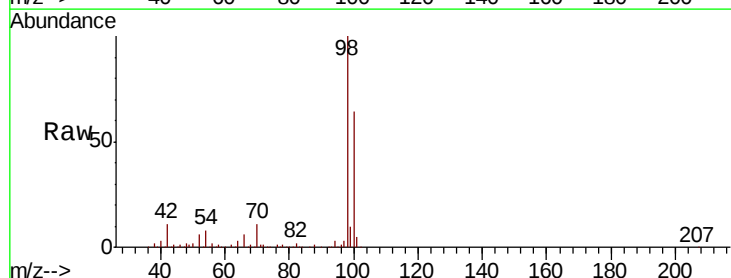
Acq: 28 Nov 2018 19:47

Tgt Ion: 43 Resp: 730

Ion Ratio Lower Upper

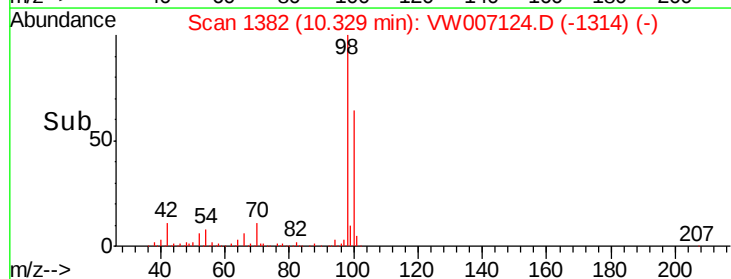
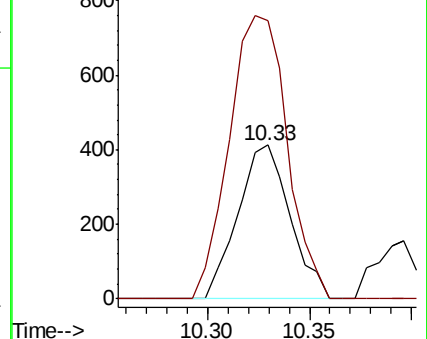
43 100

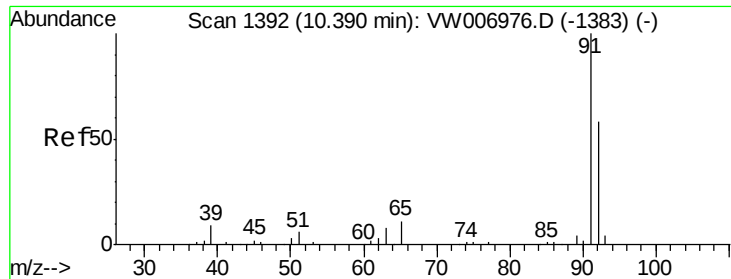
58 204.9 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 5.225 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

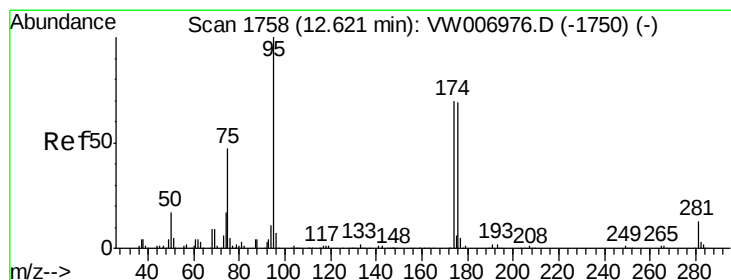
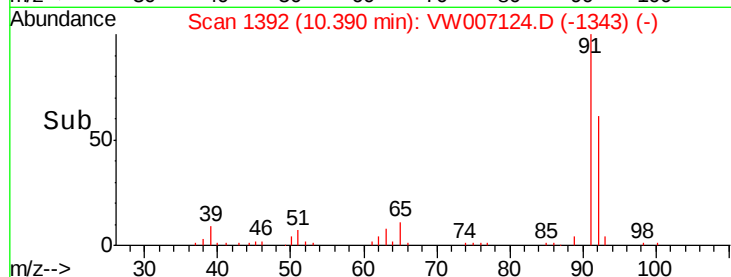
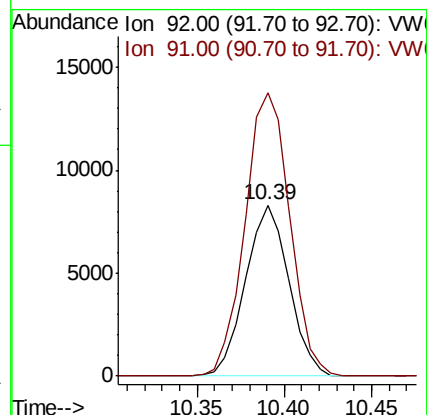
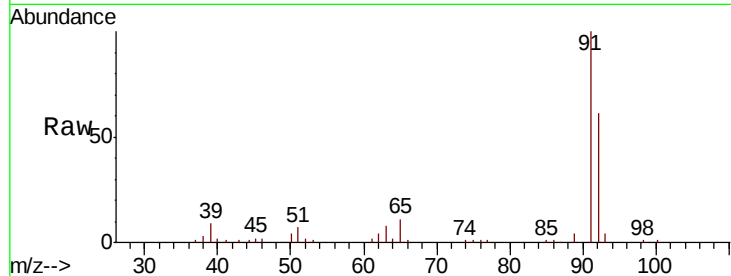
CL-02-112818-B

Tot Ion: 92 Resp: 14284

Ion Ratio Lower Upper

92 100

91 171.1 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 38.779 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

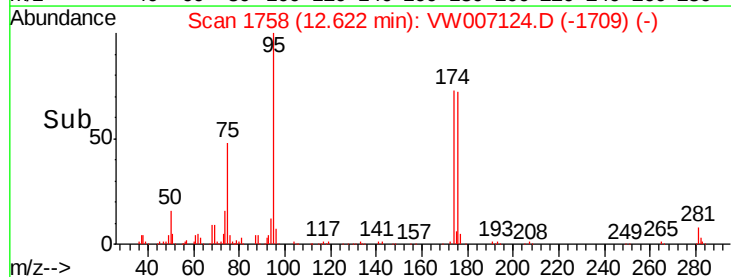
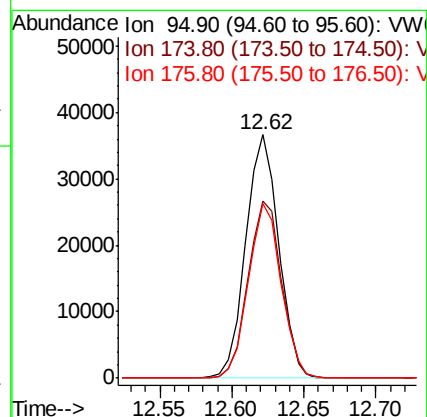
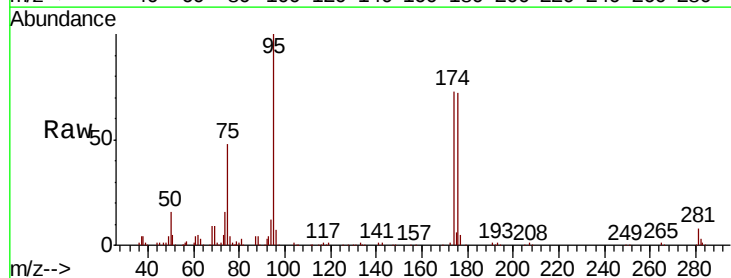
Tgt Ion: 95 Resp: 57957

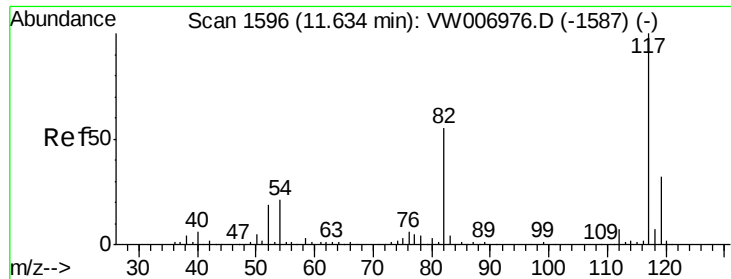
Ion Ratio Lower Upper

95 100

174 73.5 0.0 143.6

176 71.2 0.0 140.4

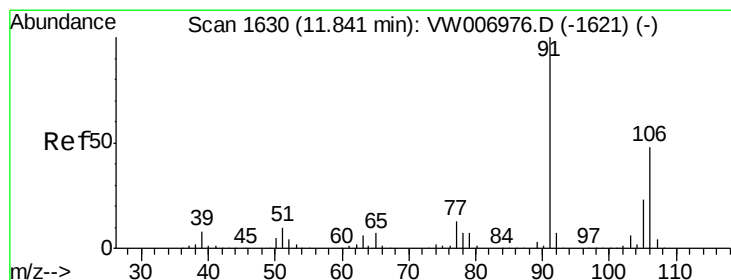
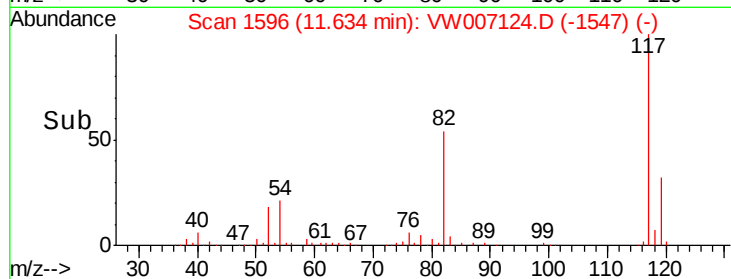
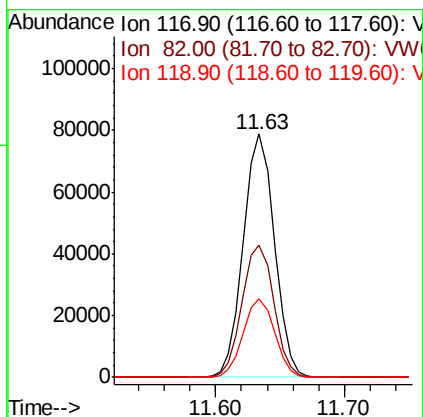
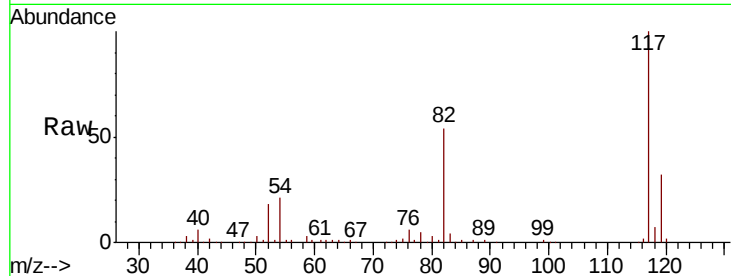




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007124.D
Acq: 28 Nov 2018 19:47

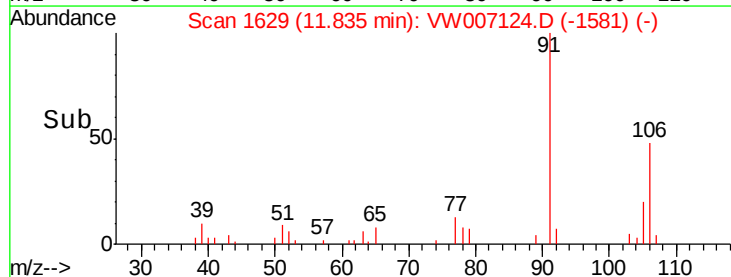
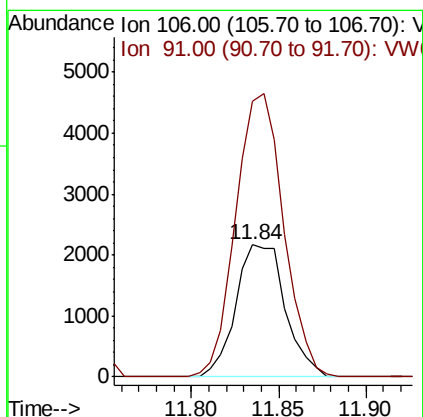
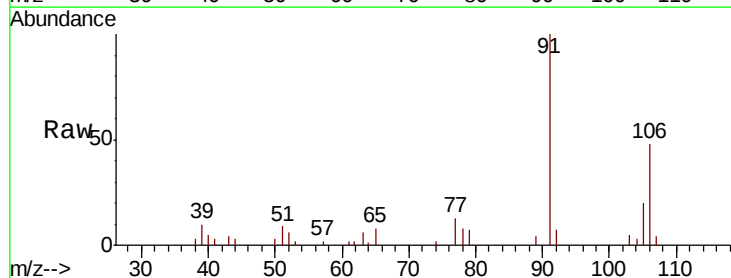
Instrument :
MSVOA_W
ClientSampleId :
CL-02-112818-B

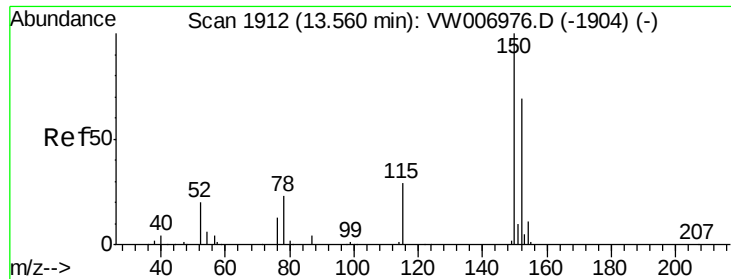
Tot Ion:117 Resp: 131561
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 32.1 25.9 38.9



#68
m/p-Xylenes
Concen: 2.159 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007124.D
Acq: 28 Nov 2018 19:47

Tgt Ion:106 Resp: 4273
Ion Ratio Lower Upper
106 100
91 207.7 164.8 247.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007124.D

Acq: 28 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

CL-02-112818-B

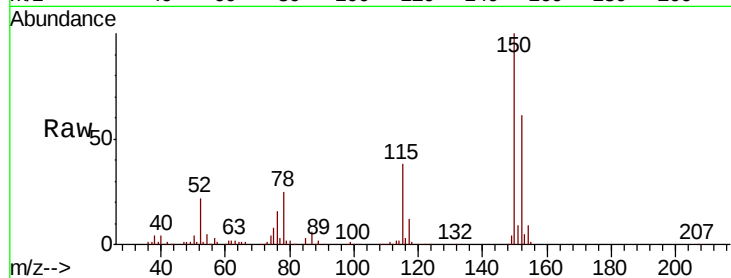
Tot Ion:152 Resp: 46863

Ion Ratio Lower Upper

152 100

115 62.2 31.4 94.2

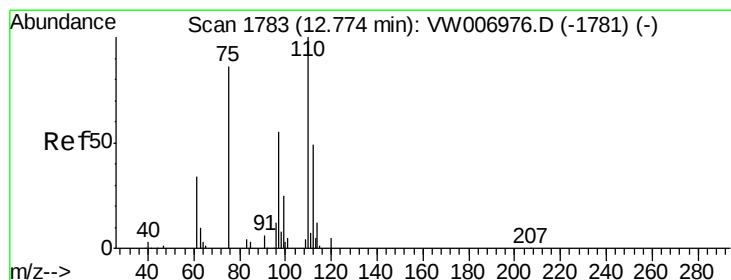
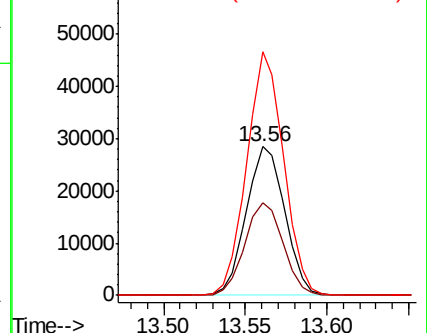
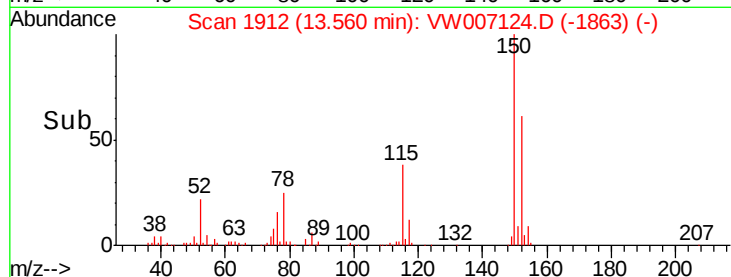
150 157.1 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 77.587 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007124.D

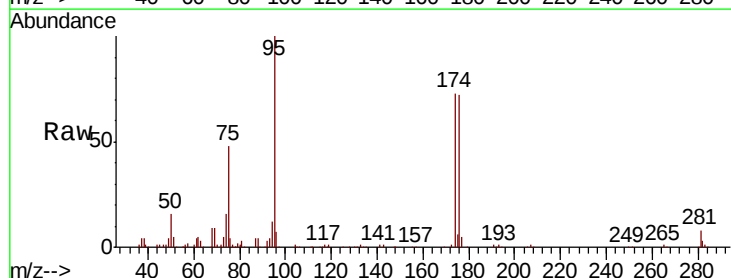
Acq: 28 Nov 2018 19:47

Tgt Ion: 75 Resp: 28571

Ion Ratio Lower Upper

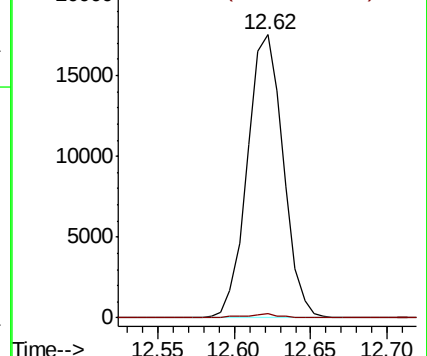
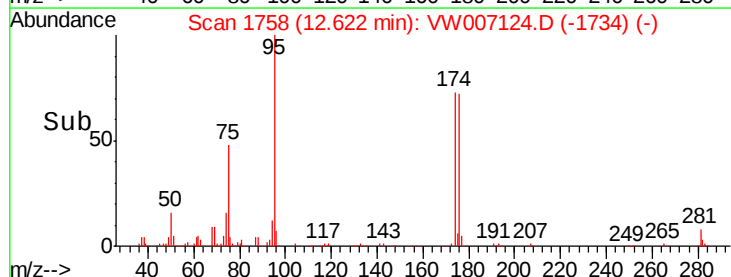
75 100

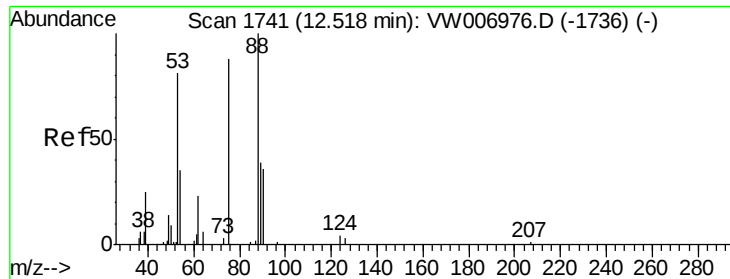
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

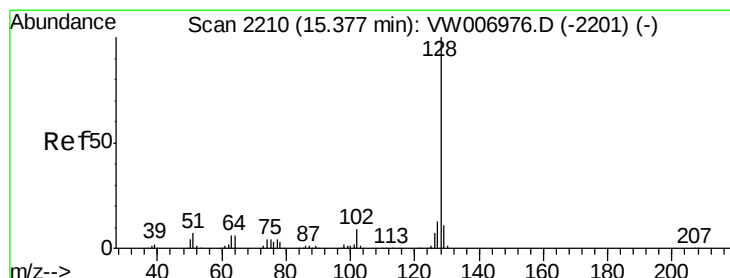
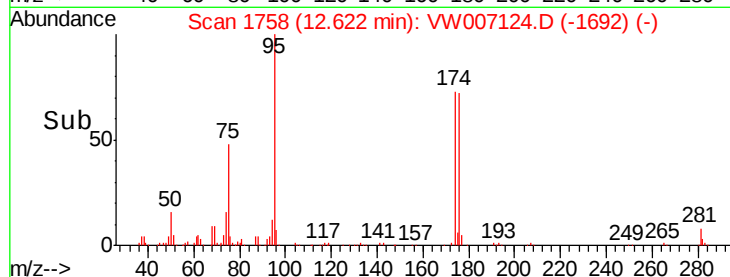
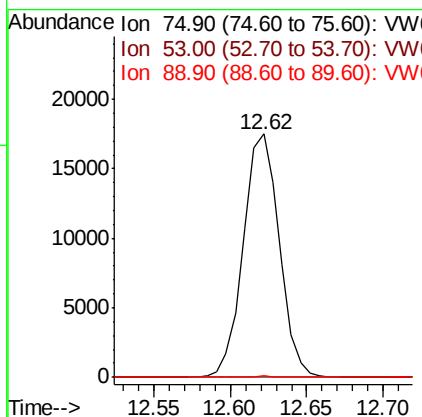
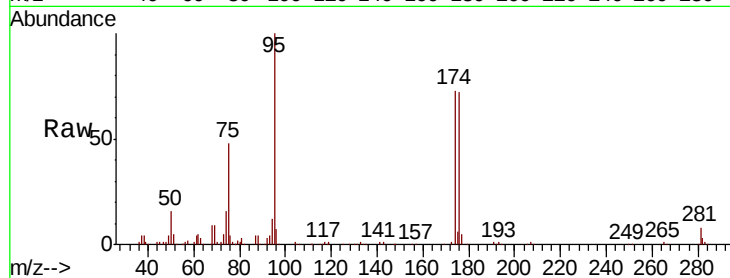




#81
trans-1,4-Dichloro-2-butene
Concen: 194.789 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007124.D
Acq: 28 Nov 2018 19:47

Instrument :
MSVOA_W
ClientSampleId :
CL-02-112818-B

Tot Ion: 75 Resp: 28571
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.1 39.3 58.9#



#95
Naphthalene
Concen: 2.620 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW007124.D
Acq: 28 Nov 2018 19:47

Tgt Ion: 128 Resp: 4389
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 10.0 8.7 13.1

